MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The curie temperature of iron is	A. 600 C^o B. 650 C^o C. 700 C^o D. 750 C^o
2	When a body is subjected to some external force, deformation is produced in:	A. Shape B. Length C. Volume D. Any of these E. None of these
3	If band gap between valence and conduction band material is 5 eV. The material is	A. Insulator B. Good conductor C. Semiconductor D. Such material are not exist
4	The magnetic fields are produced by the	A. Moving charges B. Bar magnets C. Motion of conductor in a magnetic field D. All of them
5	The high-tensile steel used to support the roadway of a suspension bridge breaks under a stress of 2 x 10^9Pa. Find the minimum cross-sectional area for a cable if it is to support a load of mass 2 x 10^5kg. (g = 10 N kg^{-1})	A. 10⁻²m² B. 10⁻¹m² C. 10⁻⁴m² D. 10⁻³m²
6	The domains are of macroscopic size of the order of	A. centimetres B. metres C. millimetres D. nanometres
7	Shear stress addresses to the:	A. Volume changes due to the applied stress B. Shape changes due to the applied stress C. Length changes due to the applied stress D. All of the above
8	The valency of electron in the valence band is known as	A. Atom B. Molecule C. Hole D. None of these
9	In crystalline solids, atoms are held about their equilibrium positions depending upon the strength of:	A. Adhesive forces B. Nuclear forces C. Inter atomic cohesive force D. Electromagnetic force E. None of these
10	Polymers are the chemical combination of carbon with:	A. Nitrogen B. Oxygen C. Hydrogen D. All of these E. None of these
11	The substances in which atoms cooperate with each other in such a way so as to exhibit a strong magnetic effect, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
12	Material with smaller hystersis loop area are best for the construction of	A. Transformer B. Core of transformer C. D.C motor D. Rectifier
13	Amorphous solids are called	A. Polymeric B. Crystal C. Glassy solids D. All
		A. Both (A) and (C)

14	Which of the following have the same unit:	B. Both (A) and (B) C. Modulus elasticty D. Strain E. Stress
15	Which of the following can become a good permanent magnet?	A. iron B. steel C. both of them D. none of them
16	When a silicon crystal is doped with trivalent impurity which are	A. Indium B. Arsenic C. Phosphorous D. None of these
17	The structure of the polymeric solid is:	A. An ordered structure B. A disordered structure C. Intermediate between order or disorder D. Any of these E. None of these
18	Which of the following can become a good temporarily magnet?	A. iron B. steel C. both of them D. none of them
19	The ratio of linear stress/linear strain is called as	A. Young's modulus B. Bulk modulus C. Shear modulus D. Modulus
20	In Insulators the conduction band is	A. Empty B. Partially filled C. Full D. None of these